

### Ferrite Chip Bead 鐵氧體晶片磁珠

#### HFB Series

For High Frequency (GHz Band) Application, Noise Suppression

適合高頻帶 (GHz 頻帶) 應用, 雜訊抑制



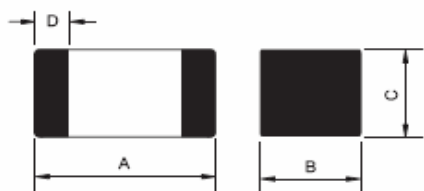
#### Features

1. The HFB1608 series is similar to the conventional FCM series at frequencies, below 100 MHz, however At 1 GHz the impedance is approx. 3 times larger.
2. The HFB1608 series is intended for standard signal lines as this series provides significant impedance across a broad frequency range.
3. The magnetic shielded structure minimizes crosstalk

#### Applications

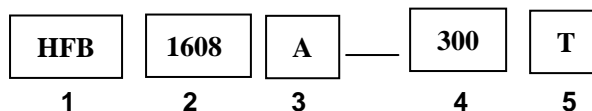
1. Interface line of computer that has high-speed CPU & high-speed bus and other digital equipment.
2. Telecommunication equipment and choke for power supply
3. Car navigation.
4. Suitable for noise suppression from 500 MHz to GHz range

#### Dimensions



Chip size				
Size	A(mm)	B(mm)	C(mm)	D(mm)
1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2

#### Part Numbering



1. Series
2. Dimension : A\*B
3. Rated Current: A=50mA, B=80mA, C=100mA, D=150mA, E=200mA, F=250mA, G=300mA, H=350mA, I=400mA, J=450mA, K=500mA, L=550mA, M=600mA, N=650mA, O=700mA, P=750mA, Q=800mA, R=850mA, S=900mA, T=950mA, U<sub>1</sub>=1A, U<sub>2</sub>=1.5A, V<sub>1</sub>=2A, V<sub>2</sub>=2.5A, W=3A, X=4A, Y=5A, Z=6A
4. Impedance: 30=30Ohm 300=30 Ohm 301=300 Ohm
5. Packaging: T=Taping & Reel, B=Bulk

#### 特徵

1. HFB1608 系列之特性在頻率於 100MHz 與傳統之 FCM 系列非常類似，然而在頻率 1GHz 時阻抗值約其 3 倍大。
2. HFB1608 系列是為標準訊號線所設計，因為它能在很寬的頻帶內提供顯著的阻抗值
3. 磁遮廠的結構可將干擾減至最低。

#### 應用

1. 具高速 CPU 及高速流排之電腦及其他電子設備之介面電路。
2. 電信通訊器材及電源供應器上之扼流線圈。
3. 汽車導航系統。
4. 適合在 500MHz 至 GHz 頻帶的雜訊抑制。

**HFB 1608 Series**

Part Number	Impedance (Ohm)		Rated Current (mA) max	DCR (Ohm) max.
	Test Frequency 100MHz	Test Frequency 1GHz		
HFB1608E-471T	470 ± 25%	470 (typ.)	200	0.65
HFB1608E-601T	600 ± 25%	600 (typ.)	200	0.85
HFB1608C-102T	1000 ± 25%	1000 (typ.)	100	1.20
HFB1608 C-471T	470 ± 25%	1000 (typ.)	100	1.00
HFB1608C-601T	600 ± 25%	1200 (typ.)	100	1.20
HFB1608A-102T	1000 ± 25%	1700 (typ.)	50	1.50